

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/523386.app.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L2	1694	((369/44.36) or (369/44.29) or (369/44.35) or (369/124.1) or (369/124.05) or (369/124.12)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/02/21 14:58
L3	604569	amplif\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L4	420244	gain	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L5	80304	photodetect\$3 photo near2 detect\$3	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L6	2953	L3 same L4 same L5	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L7	116	L6 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 15:18
L8	180684	nonlinear\$4 non near2 linear\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L9	64	L8 same L6	US-PGPU B; USPAT	OR	ON	2007/02/21 15:04
L10	2	L9 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L11	4	L9 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L12	1	(exponential\$3 near10 L4) same L3 same L5	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L13	4	(exponential\$3 near10 L4) same L5	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L14	1193578	capacit\$5	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L15	22941	variable near4 L4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L16	15380	L15 near10 L3	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L17	193	L16 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58

## EAST Search History

L18	53144	voltage near10 current near10 convert\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L19	498	L16 same L18	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L20	7	L19 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L21	1135267	integrat\$3	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L22	750	L21 same L4 same L5	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L23	15	L22 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L24	25	L16 same L5 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L25	4	kusano-taizo\$.in.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L26	336117	feedback	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L27	2751	L26 same L16	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L28	29	L27 and L2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L29	1694	((369/44.36) or (369/44.29) or (369/44.35) or (369/124.1) or (369/124.05) or (369/124. 12)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/02/21 14:58
L30	173	slice\$2 and L29	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L31	99057	slice\$2	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L32	604569	amplif\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L33	420244	gain	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L34	22941	variable near4 L33	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L35	15380	L34 near10 L32	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58

## EAST Search History

L36	765	L31 and L35	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L37	58	L36 and L29	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L38	1	04-355999	US-PGPU B; USPAT; JPO	OR	ON	2007/02/21 14:58
L39	68	kusano-taizo\$.in.	US-PGPU B; USPAT; JPO	OR	ON	2007/02/21 14:58
L40	101311	L32 near10 L33	US-PGPU B; USPAT; JPO	OR	ON	2007/02/21 14:58
L41	436	L40 same L31	US-PGPU B; USPAT; JPO	OR	ON	2007/02/21 14:58
L42	16	L41 and L29	US-PGPU B; USPAT; JPO	OR	ON	2007/02/21 14:58
L43	9	("5677802"   "5995465"   "6052350"   "6100724"   "6111846"   "6163516").PN. OR ("6236632").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58
L44	84	L40 and L31 and L29	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58
L45	26	L44 not L37	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58
L46	94	voorman-johannes\$.in. dejong-gerben\$.in. brekelmans-johannes\$.in.	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58

## EAST Search History

L47	10	L46 and L31	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58
L48	283602	(analog near2 digital) "d to a" "a to d" "d/a" "d/a"	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L49	181007	L48 near2 convert\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L50	110122	amp\$7 near10 gain	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L51	11568	L49 same L50	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L52	1694	((369/44.36) or (369/44.29) or (369/44.35) or (369/124.1) or (369/124.05) or (369/124. 12)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/02/21 14:58
L53	128	L51 and L52	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L54	80304	photodetect\$3 photo near2 detect\$3	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L55	8	L49 same L50 same L54 and L52	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L56	180684	nonlinear\$4 non near2 linear\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L57	58	L56 same L50 and L52	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L58	31	("4243850"   "4476555"   "4497048"   "4506149"   "4520469"   "4583209"   "4613961"   "4616354"   "4617654"   "4707817"   "4726004"   "4748610"   "4807214").PN. OR ("5258968").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/02/21 14:58
L59	3	L54 same L56 same gain and L52	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L60	545	(low near2 filter) near6 (nonlinear\$4 non near2 linear\$4)	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L61	9	L60 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58

## EAST Search History

L62	71002	var\$7 near4 (gain amplif\$4)	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L63	1193591	capacit\$6	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L64	39016	(voltage near4 current) near6 convert\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L65	213	L62 same L64 same L63	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L66	118060	non adj linear\$3	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L67	6938	L66 near4 (gain amplif\$4)	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L68	71572	photo adj detect\$4 photodetect\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L69	41	L67 same L68	US-PGPU B; USPAT	OR	ON	2007/02/21 16:53
L70	2	L69 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L71	13	L67 near10 L68	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L72	6	amplif\$4 near4 (per "for each") near4 L68	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L73	9	L65 same L68	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L74	348	L62 near10 L68	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L75	60	L74 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L76	107045	(var\$6 adjust\$5) near4 (gain amplif\$4)	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L77	4911	L76 near10 capacit\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L78	169	L77 near10 convert\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L79	5	L78 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 14:58
L80	4	9 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 15:04

## EAST Search History

L81	105933	(two dual second) near3 convert\$4	US-PGPU B; USPAT	OR	ON	2007/02/21 15:19
L82	2601	81 near10 capacit\$5	US-PGPU B; USPAT	OR	ON	2007/02/21 15:19
L83	7	82 near10 ((var\$6 adjust\$5) near3 (gain amplif\$7))	US-PGPU B; USPAT	OR	ON	2007/02/21 15:43
L85	800	((var\$6 adjust\$5) near3 (gain amplif\$7)) near10 (dc near3 (offset bias))	US-PGPU B; USPAT	OR	ON	2007/02/21 17:06
L86	20	85 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 15:45
L87	46	((var\$6 adjust\$5) near3 (gain amplif\$7)) near10 slic\$4 near10 (detect\$4 photodetect\$4 photo adj detect\$4)	US-PGPU B; USPAT	OR	ON	2007/02/21 16:07
L88	16	(gain amplif\$7) near10 (dc near3 (offset bias)) near10 (detect\$5 photodetect\$5 photo adj detect\$5) and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 17:05
L89	130	((var\$6 adjust\$5) near3 (gain amplif\$7)) near10 (offset bias) near10 (detect\$5 photo adj detect\$5 photodetect\$5) and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 17:09
L90	3	((var\$6 adjust\$5) near3 (gain amplif\$7)) near10 (offset bias) near10 (detect\$5 photo adj detect\$5 photodetect\$5) near10 (slic\$4 analog near4 digital) and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/02/21 17:10